Assignment – 3

1. Store book details in a library using array data structure and do following operations

Book details: isbn(string),category(enum),price(double),publishDate,authorName(string),quantity(int)

Unique ID : isbn

Create a Tester : BookManagement

Display All books

Find particular book

Add new book

Remove book

Edit book details(quantity)

Sample data:

book-0001 science 500 12-3-2020 Rama 10

book-0009,fiction,400,12-12-2010,Kishor,20

book-0003, science, 1500, 1-3-2021, Shubham, 15

book-0005, science, 600, 12-3-2020, Rama, 12

book-0004, health, 700, 12-3-2020, Rama, 30

2. Implement above application using ArrayList then hashing based data structure : HashSet and explore other collection classes

along with additional functionalities:

sort the book on the basis of isbn number then on the basis of author.

and also add following validations:

1. ISBN should be unique.

2. category : science , fiction, health ,History, Mystery, Biography

3. publishDate : in this financial year (1st Apr 2023 to 31Mar 2024)